

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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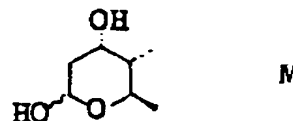
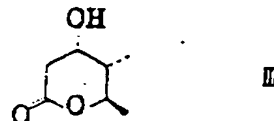
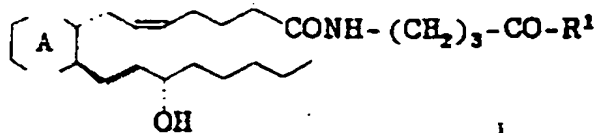
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TITLE : ENZYME LABELED THROMBOXANE  
B<sub>2</sub> AND METHOD FOR MEASURING  
11-DEHYDRO-THROMBOXANE B<sub>2</sub>



ABSTRACT : PURPOSE: To measure 11-dehydro-thromboxane B<sub>2</sub>(TXB<sub>2</sub>) with high accuracy by using specific enzyme labeled thromboxanes B<sub>2</sub> and making an analysis by using a two-antibody method for enzyme immunoassay.

CONSTITUTION: The enzyme labeled thromboxanes B<sub>2</sub> expressed by formula I are use. In formula I, the part of formula II is of the structural formula expressed by formula IV; R<sup>1</sup> denotes enzyme conjugated after one of the hydrogen atoms of the amino group is removed. Said R<sup>1</sup> is, prescribed β-D- galactosidase, etc. The antigen-antibody complex formed by incubating the specimen, the anti-serum and the enzyme labeled antigen expressed by formula I is separated to a face type and a bond type by the two-antibody method for the enzyme immunoassay. An enzyme substrate is thereafter acted on the antigen-antibody complex and the fluorescent intensity of the product is measured, by which the concn. of the 11-dehydro-TXB<sub>2</sub> is determined. Since the analysis is made by using the enzyme label expressed by formula I and by the two-antibody method, the 11-dehydro-TXB<sub>2</sub> is measured with the high accuracy.

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